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RST-11134R (March 2002)

Superceding
STAR-11134R(06/01)

GUIDE SPECIFICATION FOR CONSTRUCTION
Specification revised to meet U.S. Army Reserve requirements (June 2001)
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SECTION 11134R

PROJECTION SCREENS (MANUALLY OPERATED)
03/02

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NOTE: This guide specification covers the requirements for projection screens associated with a classrooms and/or conference facilities. This guide specification is to be used in the preparation of project specifications. Contact the Louisville District with revisions that are needed to this specification.

RST-11134 is a Louisville District Army Reserve Support Team (RST) guide specification.
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PART 1 GENERAL

1.1 REFERENCES

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NOTE: Issue (date) of references included in project specifications need not be more current than provided by the latest change (Notice) to this guide specification.
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AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION (AAMA)

AAMA 606.1	Voluntary Guide specifications and Inspection Methods for Integral Color Anodic Finishes for Architectural Aluminum.
AAMA 607.1	Voluntary Guide Specification and Inspection Methods for Integral Clear Anodic Finishes for Architectural Aluminum.
AAMA 608.1	Voluntary Guide Specification and Inspection Methods for Electrolytically

	Deposited Color Anodic Finishes for Architectural Aluminum.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM B 221	Specification for Aluminum-Alloy Extruded Bars, Rods, Wire, Shapes, and Tubes.
ASTM C 1036	specification for Flat Glass.
ASTM D 1003	Test Method for Haze and Luminous Transmittance of Transparent Plastics.
ASTM D 4802	Specification for Poly(Methyl Methacrylate) Acrylic Plastic Sheet.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 701	Standard Methods of Fire Tests for Flame-Resistant Textiles and Films.

1.2 SUBMITTALS

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NOTE: Submittals must be limited to those necessary for adequate quality control. The importance of an item in the project should be one of the primary factors in determining if a submittal for the item should be required.

Indicate submittal classification in the blank space following the name of the item requiring the submittal by using "G" when the submittal requires Government approval. Submittals not classified as "G" will show on the submittal register as "Information Only". For submittals requiring Government approval, a code of up to three characters should be used following the "G" designation to indicate the approving authority; codes of "RE" for Resident Engineer approval, "ED" for Engineering approval, and "AE" for Architect-Engineer approval are recommended.

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Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES:

SD-02 Shop Drawings

Shop drawings; FIO

Shop drawings showing layout and types of projection screens. Show the following:

1. Location of screen centerline.
2. Anchorage details.
3. Accessories.
4. Frame details for front projection screens.

SD-03 Product Data

Projection Screen; See Section 09915 COLOR SCHEDULE; FIO

Projection Screen Manuf. Product submitted as an "or equal"; G [___].

Manufacturer's descriptive data, performance charts, catalog cuts, and installation instructions.

1.3 QUALITY ASSURANCE

Single Source Responsibility: Obtain each type of projection screen required from a single manufacturer as a complete unit, including necessary mounting hardware and accessories.

Coordination of Work: Coordinate layout and installation of projection screens with other construction supported by, or penetrating through partition.

1.4 DELIVERY, STORAGE, AND HANDLING

Do not deliver projection screens until building is enclosed, other construction within spaces where screens will be installed is substantially complete, and installation of screens is ready to take place.

Protect screens from damage during delivery, handling, storage, and installation.

Store projection screens in manufacturer's protective packages in a position that complies with screen manufacturer's directions. Keep units in manufacturer's protective packages until time of installation.

Protect surfaces of projection screens from damage due to abrasion, dust, and other conditions.

PART 2 PRODUCTS

2.1 PROJECTION SCREEN SURFACES, GENERAL

2.1.1 Measurement of Gain of Screen Viewing Surface

Measure gain of screen viewing surface against that of a magnesium carbonate surface by means of a photogoniometer using test methods and test apparatus per FS GG-S-00172D(1) for determining effect of reflected light at various viewing angles on screen surfaces. Ratings of 1.0 refer to those viewing surfaces having a reflectivity equal to the magnesium carbonate surface.

2.1.2 Material and Viewing Surface of Front Projection Screens

Obtain screens manufactured from mildew- and flame-resistant fabric of type indicated for each type of screen specified and complying with the following requirements:

Matte white viewing surface with minimum gain characteristics complying with FS GG-S-00172D(1) for Type A screen surface.

Application: Provide matte white surfaces unless otherwise indicated.

Edge Treatment: Without black masking borders.

2.1.2.1 Mildew Resistance:

Provide mildew-resistant screen fabrics as determined by Federal Standard 191A/5760.

2.1.2.3 Fire Performance Characteristics:

Provide projection screen fabrics identical to those materials that have undergone testing and passed requirements for flame resistance as indicated below:

NFPA 701 per small-scale test.

Federal Standard 191A/5903 for test method. FS GG-S-00172D(1) for flame resistance.

PART 3 EXECUTION

3.1 INSTALLATION

General: Install projection screens at locations indicated in compliance with screen manufacturer's instructions.

Install projection screens with screen cases in position and relationship to adjoining construction as indicated, securely anchored to supporting substrate, and in manner that produces a smoothly operating screen with plumb and straight vertical edges and plumb and flat viewing surfaces when screen is lowered.

3.2 PROTECTION AND CLEANING

Protect projection screens after installation from damage during construction. If despite such protection damage occurs, remove and replace damaged components or entire unit as required to provide units in their original, undamaged condition.

---END OF SECTION--- -- End of Section --